

Contents

Volume 264 (1991)

Research Letters

- Plasmid pSK1002-mediated mutator effect and SOS response and SOS mutagenesis of 2,5-dichloronitrobenzol in *Salmonella typhimurium*
by Z.-c. Jin and J. Qian (China) 1
- Mutagenicity of wood smoke condensates in the Salmonella/microsome assay
by A.O. Asita, M. Matsui, T. Nohmi, A. Matsuoka, M. Hayashi, M. Ishidate Jr., T. Sofuni, M. Koyano and H. Matsushita (Japan) 7
- DNA methylation alters the pattern of spontaneous mutation in *Escherichia coli* cells (*mutD*) defective in DNA polymerase III proofreading
by B.R. Palmer and M.G. Marinus (U.S.A.) 15
- Increased mutation rate in bacteria overexpressing a cloned foreign gene
by T. Lukacsovich and P. Venetianer (Hungary) 25
- Simultaneous micronucleus and chromosome aberration assessment in the rat
by G. Krishna, M.L. Kropko, V. Ciaravino and J.C. Theiss (U.S.A.) 29
- Decreased clastogenicity of dinitropyrenes in Chinese hamster lung (CHL) subclone cells with low NADPH-cytochrome P-450 reductase activity
by M. Sawada, T. Sofuni and M. Ishidate Jr. (Japan) 37
- Influence of β -myrcene on sister-chromatid exchanges induced by mutagens in V79 and HTC cells
by C. Röscheisen, H. Zamith, F.J.R. Paumgartten and G. Speit (F.R.G. and Brasil) 43
- The effects of ventilation and the dilution of smoke upon the clastogenic and aneugenic activity of tobacco particulate matter in cultured mammalian cells
by A. Lafi and J.M. Parry (Great Britain) 51
- Potential negative regulation of damage-recognition proteins in cisplatin-resistant HeLa cells in response to DNA damage
by C.C.-K. Chao (China) 59
- Preparation of mouse-sperm DNA for PCR
by K. Rank, T.P. McManus, L.C. Ginsberg and G. Ficsor (U.S.A.) 67
- Harlequin banding and localisation of sister-chromatid exchanges
by A.J. Rachel, T. Sharma and V.V. Menon (India) 71
- Evaluation of DNA damage induced by norfloxacin in liver and kidney of adult rats and in fetal tissues after transplacental exposure
by A. Pino, A. Maura, F. Villa and L. Masciangelo (Italy) 81
- Letter to the Editor*
H.J. Evans (Great Britain) 87
- Reply to Professor Evans*
C. Furihata and T. Matsushima (Japan) 89
- #### Research Letters
- Location of a mutation in the aspartyl-tRNA synthetase gene of *Escherichia coli* K12
by G.J. Sharples and R.G. Lloyd (Great Britain) 93
- Non-specific incision of DNA due to the presence of 8-methoxypsoralen photoinduced interstrand cross-links in *Saccharomyces cerevisiae*
by E. Cundari, K. Polasa, M. Dardalhon, A.A. Youssefi and D. Averbek (Italy, India, France) 97
- Increased frequency of acetaldehyde-induced sister-chromatid exchanges in human lymphocytes treated with an aldehyde dehydrogenase inhibitor
by A. Helander and K. Lindahl-Kiessling (Sweden) 103
- Prior bleeding enhances the sensitivity of the in vivo micronucleus test
by O. Hirai, Y. Miyamae, Y. Fujino, H. Izumi, A. Miyamoto and H. Noguchi (Japan) 109

Evaluation of the mutagenic potential of <i>tepezcohuite</i> in the <i>Drosophila</i> wing spot test by A.E. Pimentel P., M.P. Cruces M. and S. Zimmering (Mexico, U.S.A.)	115
Mechanistic studies on DNA photolyase, II. Is the blue enzyme isolated from <i>Escherichia coli</i> a mutant? by T.P. Begley (U.S.A.)	117
Decreased resistance to antibiotics and plasmid loss in plasmid-carrying strains of <i>Staphylococcus aureus</i> treated with ascorbic acid by C.F. Amabile-Cuevas, R.M. Piña-Zentella and M.E. Wah-Laborde (Mexico)	119
Prevalence of recombinational versus mutational events in damaged plasmid DNA containing regions of homology with the chromosome by L. Dolzani, C. Lagatolla and C. Monti-Bragadin (Italy)	127
Mutagenic effects of aluminium by J.C. Octive, M. Wood and A.C. Johnson (Great Britain)	135
Mutagenic activity of 2-chloro-4-nitroaniline and 5-chlorosalicylic acid in <i>Salmonella typhimurium</i> : two possible metabolites of niclosamide by J.J. Espinosa-Aguirre, R.E. Reyes and C.C. de Nava (Mexico)	139
Metabolism of 2,4-dinitrotoluene by <i>Salmonella typhimurium</i> strains TA98, TA98NR and TA98/1,8-DNP ₆ , and mutagenicity of the metabolites of 2,4-dinitrotoluene and related compounds to strains TA98 and TA100 by M. Sayama, M. Mori, Y. Nakada, S. Kagamimori and H. Kozuka (Japan)	147
Carcinogenic ranking of aromatic amines and nitro compounds by H.C. Crabtree, D. Hart, M.C. Thomas, B.H. Witham, I.G. McKenzie and C.P. Smith (Great Britain)	155
Genotoxicity of beryllium, gallium and antimony in short-term assays by K. Kuroda, G. Endo, A. Okamoto, Y.S. Yoo and S.i. Horiguchi (Japan, Korea)	163
High mutability in rye (<i>Secale cereale</i> L.) by A.M. Figueiras, A. de la Peña and C. Benito (Spain)	171
Absence of mutagenicity of the antitumor drug 3-nitrobenzothiazolo[3,2-a]quinolinium chloride (NBQ) in the germ cells of <i>Drosophila melanogaster</i> males by Y. Pérez-Chiesa, A. Arroyo, D. Rodriguez, A. Rodriguez-Stoehr, O. Cox and H.R. Retamozo (U.S.A.)	179
Growth of Chinese hamster ovary (CHO) cells in the presence of MMC in low-serum medium by K. Sharma, D. Milanowski and G. Ficsor (U.S.A.)	183
Micronucleus formation in cultured fetal liver blood cells using mitomycin C by H.-S. Ning, P.A. Kuzmicky, N.Y. Kado and D.P.H. Hsieh (U.S.A.)	187
Mutagenicity of 2-methylacrolein, 2-ethylacrolein and 2-propylacrolein in <i>Salmonella typhimurium</i> TA100. A comparative study by T. Neudecker, E. Eder, C. Deininger and D. Henschler (Germany)	193
Induction of sperm abnormalities in mice by norfloxacin by A. Maura and A. Pino (Italy)	197
Repair of cytotoxic lesions induced by <i>N</i> -methyl- <i>N'</i> -nitro- <i>N</i> -nitrosoguanidine in <i>Salmonella typhimurium</i> and <i>Escherichia coli</i> by I. Matić, V. Bačun-Družina and M. Alačević (Yugoslavia)	201
The influence of the nucleotide excision-repair system on mutagenesis in <i>Salmonella typhimurium</i> LT2 after exposure to low doses of monofunctional alkylating agents by V. Bačun-Družina, I. Matić, Z. Matijašević and M. Alačević (Yugoslavia)	207
In vivo exposure of human lymphocytes to technetium-99m in nuclear medicine patients does not induce detectable genetic effects by K.T. Kelsey, K.J. Donohoe, A. Memisoglu, B. Baxter, M. Caggana and H.L. Liber (U.S.A.)	213
Chromosomal effects of theophylline measured in mouse marrow cells in vivo by A.F. McFee (U.S.A.)	219
In vitro studies on genotoxicity and cytotoxicity of the anticancer drugs cisplatin and cofplaton, a caffeine-8-ether plus cisplatinum compound by R. Vogel, G. Laschinski, H. Spielman, W. Ehrlich, B. Drevenstedt, J. Klosa and H. Kröger (Germany)	225
Stimulation of bacterial mutagenicity by inhibitors of mammalian cell multidrug resistance by L.R. Ferguson, P.M. Turner and B.C. Baguley (New Zealand)	231
The induction of specific-locus mutations with <i>N</i> -propyl- <i>N</i> -nitrosoourea in stem-cell spermatogonia of mice by T. Murota and T. Shibuya (Japan)	235
Contents, Vol. 264 (1991)	241

